

## GENERAL DESCRIPTION

The Spordex Strip NA037/NA039 Biological Indicator (BI) is produced from filter paper inoculated with a single spore species (*Geobacillus stearothermophilus*, ATCC 7953) and enclosed in a glassine envelope. The strips are produced under controlled conditions to meet suggested performance parameters published in the current U.S. Pharmacopeia. The Spordex Strip NA039 BI is identical to the Spordex Strip NA037 BI except for the quantity per box. Spordex NA039 BI has 100 biological indicators per box and Spordex NA037 BI has 500 biological indicators per box.

## APPLICATION

The Spordex Strip NA037/NA039 BI is used to validate and re-qualify steam sterilizers and to monitor the effectiveness of the steam sterilizing process.

## FEATURES

*Geobacillus stearothermophilus*  
 single species E6 population

Lot number and expiration on each  
 glassine envelope and data card

Easy-peel glassine pouch

Packaged in plastic boxes; two sizes available

## BENEFITS

E6 may be used in applications requiring a 6-log reduction

Traceable results and valuable documentation

Facilitates aseptic transfer

Conveniently sized boxes help to protect product integrity

## TECHNICAL PROPERTIES

**Primary packaging:** glassine envelope approximately 3 x 1"

**Spore carrier:** filter paper strip approximately 1-1/2 x 1/4"

**Species:** *Geobacillus stearothermophilus* (ATCC 7953)

**Mean population recovery:** 1.0 x 10<sup>6</sup> to 5.0 x 10<sup>6</sup> cfu/strip

**Purity:** Bacterial contaminants less than 1% of the labeled population; this is the detection limit using the pour plate method with an aliquot that yields at least 100 colony forming units (cfu).

**D-value for saturated steam (D<sub>121</sub>):** 1.5-2.5 minutes

The D-value is reproducible only when the biological indicator is exposed and cultured under the same conditions which were used by STERIS to determine the D-value.

**Incubation temperature:** 55°-60°C (131°-140°F)

**Shelf life:** 18 months from time of manufacture. The expiration date is printed on the glassine envelope and on the data card that accompanies the box.

**Quantity:** 500 per box, Spordex Strip NA037 Biological Indicator  
 100 per box, Spordex Strip NA039 Biological Indicator

## DIRECTIONS FOR USE

After sterilization processing has been completed, remove the Spordex Strip NA037/NA039 BI from the test pack. Aseptically open the glassine envelope by cutting the glassine with sterile scissors or peeling apart the glassine at the indicated end. Aseptically transfer each strip from its envelope to a tube of sterile Spordex® Culture Media NA114. Incubate the tubes at 55-60°C (131-140°F) for seven days or for a customer-validated reduced incubation time. Examine the media containing the biological indicators during the incubation period. A color change from red to yellow and/or the presence of turbidity indicates microbiological growth. See the instruction card enclosed in the Spordex Strip box for detailed use directions.

## STORAGE CONDITIONS

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The Spordex Strip NA037/NA039 BIs should be stored at a temperature of 2-24°C (36-75°F) and a relative humidity of 30-80%. Avoid contact with, or storage near, sterilants or chemicals; e.g., any oxidizing or reducing agents such as formaldehyde, bleach, ammonia, etc. Do not use after the expiration date printed on the packaging.

## DISPOSAL

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Before discarding, treat as appropriate for standard microbiological waste, nonpathogenic species; e.g., steam autoclave at 121°C (250°F) for not less than 30 minutes, incinerate, or use other suitable means.

## SERVICE

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### Sales

Service is one of the most important ways to verify consistent quality of the facility's performance and operation. A tailored service program by STERIS provides effective, trouble-free operations.

### Technical

STERIS is pleased to provide a completely staffed and equipped technical service laboratory capable of performing needed tests and providing both telephone and on-site assistance when needed. More details on how this service can benefit a facility's particular situation can be provided upon request.

## ORDERING INFORMATION

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Description	Quantity Per Box	Reorder Number
Spordex Strip NA037 Biological Indicator	500	NA037
Spordex Strip NA039 Biological Indicator	100	NA039

(NA039 is identical to NA037 except for the quantity per box.)

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### For further information, please contact:

**STERIS**<sup>®</sup>



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